PATENT COOPERATION TREATY

om the INTERNATIONAL SEARCHING AUTHORITY PCT NOTIFICATION OF TRANSMITTAL OF. DAVIES COLLISON CAVE THE INTERNATIONAL SEARCH REPORT 1 Little Collins Street OR THE DECLARATION MELBOURNE VIC 3000 (PCT Rule 44.1) Date of mailing 2 9 MAY 2003 (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION See paragraphs 1 and 4 below 12185280TD International filing date International application No. 28 March 2003 PCT/AU03/00388 Applicant MEDVET SCIENCE PTY.LTD. et al The applicant is hereby notified that the international search report has been established and is transmitted herewith. 1. X Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46): The time limit for filing such amendments is normally two months from the date of transmittal of the When? international search report. International Bureau of WIPO Where? Directly to the 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) 2. to that effect is transmitted herewith. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that: 3. the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices. no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made. 4. Reminders Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis. 1 and 90bis. 3, respectively, before the completion of the technical preparations for international publication. Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices. In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months. See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site. Name and mailing address of the ISA/AU Authorized officer **AUSTRALIAN PATENT OFFICE**

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PATENT COOPERATION TREATY
PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 12185280TD	FOR FURTHER ACTION	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.			
International application No. PCT/AU03/00388	International filing date (day/month/year) (Earliest) Priority Date (day/month/year) 28 March 2003 28 March 2002				
Applicant MEDVET SCIENCE PTY.LT	D. et al				
This international search report has been pre Article 18. A copy is being transmitted to th This international search report consists of a	e International Bureau. total of 4 sheets.		is transmitted to the	applicant according to	
It is also accompanied by a cop	y of each prior art docume	nt cited in this report.			
1. Basis of the report a. With regard to the language, the which it was filed, unless other the international search we (Rule 23.1(b)). b. With regard to any nucleotide	wise indicated under this it was carried out on the basis	em. of a translation of the in	ternational applicati	on furnished to this Authority	
carried out on the basis of the contained in the internation	sequence listing: ional application in written ternational application in c	form.			
	o this Authority in written to this Authority in compute				
1 1 1	bsequently furnished writte		not go beyond the di	sclosure in the international	
the statement that the inf	formation recorded in comp	outer readable form is ide	entical to the written	sequence listing has been	
2. Certain claims were found u	nsearchable (See Box I).	•	•		
3. Unity of invention is lacking	(See Box II).				
4. With regard to the title,	the text is approved as	submitted by the applican	nt.		
	the text has been establ	ished by this Authority to	o read as follows:		
5. With regard to the abstract,		submitted by the applica			
	The applicant may, wit submit comments to the	hin one month from the is Authority.	: 38.2(b), by this Audate of mailing of th	thority as it appears in Box III. is international search report,	
6. The figure of the drawings to be p			ر ۔ ۔ ۔	Name of the figures	
	as suggested by the ap		X	None of the figures	
		failed to suggest a figure		•	
	because this figure bet	ter characterizes the inve	ention		

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU03/00388 CLASSIFICATION OF SUBJECT MATTER A. A61K 38/43, A61K 38/18, A61K 38/19, A61K 38/00, A61P 29/00, A61P 35/00. A61P 37/00 Int. Cl. 7: According to International Patent Classification (IPC) or to both national classification and IPC FIELDS SEARCHED В. Minimum documentation searched (classification system followed by classification symbols) Refer to electronic database consulted below Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DWPI and MEDLINE. Keywords: sphingosine kinase or sphk or sph kinase, proline directed kinase, ERK, CDK2, TNF, U0126 or PD98059 DOCUMENTS CONSIDERED TO BE RELEVANT C. Relevant to Citation of document, with indication, where appropriate, of the relevant passages Category* claim No. WO 99/12533 A (MEDVET SCIENCE PTY.LTD) 18 March 1999 1 - 45Whole document X WO 01/85953 A (MEDVET SCIENCE PTY.LTD) 15 NOVEMBER 2001 1-45 X Whole document BLAUKAT, A et al. Activation of sphingosine kinase by the bradykinin B2 receptor 1-9, 12-20, 28-36, 44 and and its implication in regulation of the ERK/MAP kinase pathway. 45 Biol. Chem. January 2001, vol. 382, pages 135-139 X See patent family annex Further documents are listed in the continuation of Box C Special categories of cited documents: later document published after the international filing date or priority date document defining the general state of the art and not in conflict with the application but cited to understand the principle "A" which is not considered to be of particular or theory underlying the invention relevance document of particular relevance; the claimed invention cannot be "E" earlier application or patent but published on or considered novel or cannot be considered to involve an inventive step after the international filing date when the document is taken alone document of particular relevance; the claimed invention cannot be document which may throw doubts on priority "L" considered to involve an inventive step when the document is combined claim(s) or which is cited to establish the with one or more other such documents, such combination being obvious to publication date of another citation or other special a person skilled in the art reason (as specified) document member of the same patent family document referring to an oral disclosure, use, "O" exhibition or other means document published prior to the international filing date but later than the priority date claimed Date of mailing of the international search report Date of the actual completion of the international search 2 9 MAY 2003 Authorized officer Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA

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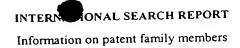
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International application No.

PCT/AU03/00388

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT Civilin of decement with indication where appropriate of the relevant passages Relevant to						
ategory*	Citation of document, with indication, where appropriate, of the relevant passages	claim No.				
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	apoptosis in rat periosteal cells.					
v	Molecular Pharm. 1998, vol. 54, pages 70-77 Abstract, Col. 2, page 76 onwards	1-45				
X	Abstract, Coi. 2, page 70 onwards					
	CUVILLIER, O et al. Spgingosine-1-phopshate antagonizes apoptosis of human					
	luekemia cells by inhibiting release of cytochrome c and Smac/DIABLO from					
•	mitochondria. Blood, November 2001, Vol. 98(9), pages 2828-2836					
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	Johnson, KR, et al. PKC-dependent activation of sphingosine kinase 1 and translocation to the plasma membrane.					
X,P	J. Biol. Chem. September 2002, vol. 277 (38), pages 35257-35262	1-45				
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International application No. PCT/AU03/00388

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

	Document Cited in Search Report		Patent Family Member					
wo	99/12533	EP	1011654	JP	2001515857T	CA	23002838	
wo	02/098458							
wo	01/85953	ΑŬ	56001/01				END OF ANNEX	